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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/588,478	10/02/2006	Andrew D. Hamilton	Y03-104US Nat	6687
28156 7590 10/16/2009 COLEMAN SUDOL SAPONE, P.C. 714 COLORADO AVENUE			EXAMINER	
			KATAKAM, SUDHAKAR	
BRIDGE PORT, CT 06605-1601			ART UNIT	PAPER NUMBER
			1621	
			MAIL DATE	DELIVERY MODE
			10/16/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/588,478	HAMILTON ET AL.			
Office Action Summary	Examiner	Art Unit			
	SUDHAKAR KATAKAM	1621			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
 1) Responsive to communication(s) filed on 31 Ju 2a) This action is FINAL. 2b) This 3) Since this application is in condition for allowant closed in accordance with the practice under E 	action is non-final. nce except for formal matters, pro				
Disposition of Claims					
4) ☐ Claim(s) 1-4,7,8,13,15,18,20,22 and 35-47 is/a 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-4,7,8,13,15,18,20,22 and 35-45 and 7) ☐ Claim(s) 46 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or Application Papers 9) ☐ The specification is objected to by the Examiner 10) ☐ The drawing(s) filed on is/are: a) ☐ acceleration and policion to the company is and applicant may not request that any objection to the company is a single paper.	vn from consideration. 147 is/are rejected. election requirement. r. epted or b) □ objected to by the B				
Replacement drawing sheet(s) including the correcti		` ,			
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action of form PTO-152.			
 Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate			

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DETAILED ACTION

Status of the application

1. Receipt of Applicant's request for continued examination filed on 31st July 2009 is acknowledged.

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 31st July 2009 has been entered.

2. In view of applicants' amendments and remarks the previous rejections have been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of different interpretation of the previously applied reference, newly found prior art and provide an explanation of the rejection.

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claim 47 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim subject matter which applicant regards as the invention.

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The claim depends on the claim 45, however, it is unclear whether applicants intend to depend on the pharmaceutical composition or a compound. If it is a type in the claim language, then it should be corrected.

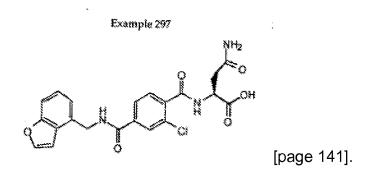
Claim Rejections – 35 USC 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 6. Claims 1, 7, 8, 13, 18, 20, 35, 39, 40, 41, 43 and 44 are rejected under 35 U.S.C. 102(b) as being anticipated by **Burdick** (WO 99/49856).

Burdick discloses the following compound:



The above compound anticipates claims 1, 7 and 8 with the following conditions from the claim language:

R' is substituted C₁ alkyl group;

R⁴ is H:

X is H;

 X^2 and X^3 are H;

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X<sup>4</sup> is CI;
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R^{1a} is H;

R^{1b} is substituted C₁ alkyl group.

The above compound (#297) anticipates claims 1 and 13 with the following conditions from the claim language:

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R' is substituted C<sub>1</sub> alkyl group;
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R⁴ is H;

X is CI;

 X^2 , X^3 and X^4 are H;

R^{1a} is H;

R^{1b} is substituted C₁ alkyl group.

The above compound (#297) also anticipates claims 1 and 18 with the following conditions from the claim language:

R² is substituted alkyl amide;

Rⁱ is H;

j is 0;

R⁴ is H;

X is CI;

 X^2 , X^3 and X^4 are H;

R^{1a} is H;

 R^{1b} is substituted C_1 alkyl group.

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R^g is H.

The above compound (#297) also anticipates claims 1 and 20 with the following conditions from the claim language:

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R' is substituted alkyl group;

R<sup>4</sup> is H;

X<sup>2</sup> is Cl;

X, X<sup>3</sup> and X<sup>4</sup> are H;

R<sup>1a</sup> is H;

n is 0;

R<sup>f</sup> is substituted monoalkylamide;
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Burdick also discloses that these compounds can be used in pharmaceutical compositions with a pharmaceutical additive (page 10, lines 8-14; page 61, lines 4-6, 26-34).

Therefore these claims are fully met.

7. Claims 1-4, 36, 37 and 38 are rejected under 35 U.S.C. 102(b) as being anticipated by **Burdick** (WO 99/49856).

Burdick discloses the following compound:

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Examples 303-305 were synthesized by Method S69.

Example # R group
303 L- Asn

304 L. diaminopropionic acid (allos)

305 i.- lys

[page 142].

The above compound (#305) anticipates claims 1-4 with the following conditions from the claim language:

R' is Lysine;

R⁴ is H (from -NH- of lysine);

X is methyl group;

 X^2 and X^3 are H:

X⁴ is methyl group;

R^{1a} is H;

R^{1b} is substituted C₁ alkyl group.

Burdick also discloses that these compounds can be used in pharmaceutical compositions with a pharmaceutical additive (page 10, lines 8-14; page 61, lines 4-6, 26-34).

Therefore these claims are fully met.

8. Claims 1, 15 and 42 are rejected under 35 U.S.C. 102(b) as being anticipated by FR 8.298 M (applicants' IDS 5/18/07).

FR 8.298 M discloses the following compound:

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$$(\text{see page 1, full translation pending}), \text{ where } R_1 \text{ and } R_2 \text{ are}$$

is methyl group [see Table in page 3].

Compound 7 [see Table in page 3] anticipates applicants claims 1 and 15 with the following conditions from the claim language:

X is -OR, where R is an unsubstituted C₁ alkyl group;

X² is -OR^e, where R^e is an unsubstituted C₁ alkyl group;

 X^3 and X^4 are H;

R⁴ is an unsubstituted C₁ alkyl group;

R' is an unsubstituted C₁ alkyl group;

 R^{1a} and R^{1b} are an unsubstituted C_1 alkyl group;

FR 8.298 M also discloses pharmaceutical composition or medicament of the above compound [see title and page 1, lines 1-10, translation pending].

Therefore these claims are fully met.

9. Claims 1, 22 and 45 are rejected under 35 U.S.C. 102(b) as being anticipated by FR 8.298 M (applicants' IDS 5/18/07).

FR 8.298 M discloses the following compound:

(see page 1), where R_1 and R_2 are -NH-CH₃ and R_6 is methyl group [see compound 1 in the Table in page 3].

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The above compound anticipates applicants claims 1 and 22 with the following conditions from the claim language:

X is -OR, where R is an unsubstituted C₁ alkyl group, which is a hydrogen bond acceptor group;

 X^2 is -OR^e, where R^e is an unsubstituted C₁ alkyl group;

 X^3 and X^4 are H;

R⁴ is H;

R' is an unsubstituted C₁ alkyl group;

 R^{1a} and R^{1b} are an unsubstituted C_1 alkyl group.

FR 8.298 M also disclose pharmaceutical composition or medicament of the above compound [see title and page 1, lines 1-10, translation pending].

Therefore these claims are fully met.

Allowable Subject Matter

10. Claim 46 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: the closest prior art (**Burdick** (WO 99/49856) and **FR 8.298 M**) fails to disclose or teach applicants compound as recited in the claim 46.

Response to Arguments

11. Applicant's arguments filed on 31st July 2009 have been fully considered but they are not persuasive.

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Applicants' arguments are moot in view of above new grounds of rejection.

Conclusion

12. No claim is allowed.

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sudhakar Katakam whose telephone number is 571-272-9929. The examiner can normally be reached on M-F 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel Sullivan can be reached on 571-272-0779. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Sudhakar Katakam/ Examiner, Art Unit 1621